

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO	PAGE OF 1 27 PAGES
2. CONTRACT NO.	3. SOLICITATION NO. N00173-00-R-CR02	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 26 JUN 00	6. REQUISITION/PURCHASE NO.	
7. ISSUED BY CONTRACTING OFFICER NAVAL RESEARCH LABORATORY ATTN: CODE 3220.CR WASHINGTON DC 20375-5326		CODE N00173	8. ADDRESS OFFER TO (If other than Item 7)		

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 3 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in Bldg. 222, Room 115 until 4:00pm local time 27 JUL 00
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-10. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME ALAN W. CRUPI, CONTRACT SPECIALIST	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (202) 767-3595
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52-232-8)	10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:	AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
15B. TELEPHONE NO. (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE
				18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ITEM	
24. ADMINISTERED BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY	CODE
26. NAME OF CONTRACTING OFFICER (Type or print)		27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	
		28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

**PART I - THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS**

B-1 SUPPLIES/SERVICES AND COSTS**BASE**

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
0001	The Contractor shall provide scientific, engineering, technical and analytical support in accordance with the Statement of Work - Attachment (1).	\$	\$	\$
0002	Data in accordance with Exhibit A (DD 1423).	*NSP	NSP	NSP

* Not Separately Priced

BASE EST. COST PLUS FIXED FEE	\$	\$	\$
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OPTION I

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
0003	The Contractor shall provide scientific, engineering, technical and analytical support in accordance with the Statement of Work - Attachment (1).	\$	\$	\$
0004	Data in accordance with Exhibit A (DD 1423).	*NSP	NSP	NSP

OPTION I EST. COST PLUS FIXED FEE	\$	\$	\$
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OPTION II

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
0005	The Contractor shall provide scientific, engineering, technical and analytical support in accordance with the Statement of Work - Attachment (1).	\$	\$	\$
0006	Data in accordance with Exhibit A (DD 1423).	*NSP	NSP	NSP

OPTION II EST. COST PLUS FIXED FEE	\$	\$	\$
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OPTION III

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
0007	The Contractor shall provide scientific, engineering, technical and analytical support in accordance with the Statement of Work - Attachment (1).	\$	\$	\$
0008	Data in accordance with Exhibit A (DD 1423).	*NSP	NSP	NSP

OPTION III EST. COST PLUS FIXED FEE	\$	\$	\$
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OPTION IV

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
0009	The Contractor shall provide scientific, engineering, technical and analytical support in accordance with the Statement of Work - Attachment (1).	\$	\$	\$
0010	Data in accordance with Exhibit A (DD 1423).	*NSP	NSP	NSP

OPTION IV EST. COST PLUS FIXED FEE	\$	\$	\$
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TOTAL EST. COST PLUS FIXED FEE (if all options exercised)	\$	\$	\$
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SECTION C
DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

C-1 STATEMENT OF WORK

The work and services to be performed hereunder shall be subject to the requirements and standards contained in Attachment (1), Statement of Work, with Exhibit A, Contract Data Requirements List, and all other Attachments cited in Section J, which are incorporated by reference into Section C.

C-2 REQUIREMENTS FOR ON-SITE CONTRACTORS

For those portions of the work under this contract performed at any NRL site, the contractor shall comply with the Requirements for On-Site Contractors dated 11 April 2000 which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/home.htm>.

C-3 SUBCONTRACTING PLAN

Subcontracting Plan * dated is hereby incorporated by reference.

*(*this provision will be included and completed at time of award, if applicable)*

**SECTION D
PACKAGING AND MARKING**

D-1 PACKAGING AND MARKING

Preservation, packaging, packing and marking of all deliverable contract line items must conform to normal commercial packing standards to assure safe delivery at destination.

**SECTION E
INSPECTION AND ACCEPTANCE**

E-1 INSPECTION AND ACCEPTANCE CLAUSES INCORPORATED BY REFERENCE

FAR CLAUSE TITLE

52.246-9 - Inspection Of Research And Development (Short Form) (APR 1984)

E-2 INSPECTION AND ACCEPTANCE

Inspection and acceptance of the final delivery will be accomplished by the Technical Manager (TM) or Contracting Officer Representative (COR) designated in Section G of this contract. Inspection and acceptance will be performed at the Naval Research Laboratory, Washington DC 20375-5320.

**SECTION F
DELIVERIES OR PERFORMANCE**

F-1 DELIVERIES OR PERFORMANCE CLAUSES INCORPORATED BY REFERENCE:

FAR CLAUSE TITLE

52.242-15 - Stop-Work Order (AUG 1989) - Alternate I (APR 1984)

52.247-34 - F.O.B. Destination (NOV 1991)

F-2 PERIOD AND PLACE OF PERFORMANCE

(a) The period of performance for the base contract is from date of contract award through one year thereafter.

(b) The period of performance for each option (if exercised) shall be from the date exercised through one year thereafter.

(c) The principal place of performance of this contract shall be the Naval Research Laboratory, Washington, DC 20375.

SECTION G
CONTRACT ADMINISTRATION DATA

G-1 PROCURING OFFICE REPRESENTATIVE

In order to expedite administration of the contract, the Administrative Contracting Officer (ACO) will direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Contract Matters- *

Security Matters- *

Safety Matters- *

Patent Matters- *

Release of Data- *

The ACO will forward invention disclosures and reports directly to the Associate Counsel for Patents, Code 1008.2, Naval Research Laboratory, Washington DC 20375-5320. The Associate Counsel for Patents will return the reports along with a recommendation to the Administrative Contracting Officer. The Associate Counsel for Patents will represent the Contracting Officer with regard to invention reporting matters arising under this contract

(* To be completed at time of award)

G-2 CONTRACTING OFFICER'S REPRESENTATIVE (COR) - FUNCTIONS AND LIMITATIONS

* is hereby designated the cognizant COR who will represent the Contracting Officer in the administration of technical details within the scope of this contract and inspection and acceptance. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or change the specifications in the contract. If, as a result of technical discussions, it is desirable to alter contract obligations or statements of work, a modification must be issued in writing and signed by the Contracting Officer. The COR is responsible for reviewing the bills and charges submitted by the Contractor and informing the ACO of areas where exceptions are to be taken.

(* To be completed at time of award)

G-3 TECHNICAL DIRECTION MEMORANDUM (TDM)

- (a) For the purposes of this clause, technical direction includes the following:
 - (1) Direction to the Contractor which shifts work emphasis between work areas or tasks, requires pursuit of certain lines of inquiry, fills in details or otherwise describes work which will accomplish the objectives described in the statement of work;
 - (2) Guidelines to the Contractor which assist in interpretation of drawings, specifications or technical portions of work description.
- (b) Technical instructions must be within the scope of work stated in the contract. Technical instructions may not be used to:
 - (1) Assign additional work under the contract;
 - (2) Direct a change as defined in the contract clause entitled "Changes";
 - (3) Increase or decrease the estimated contract cost, the fixed fee, or the time required for contract performance; or
 - (4) Change any of the terms, conditions or specifications of the contract
- (c) The TDM shall be written by the Contracting Officer's Representative (COR), with the original given to the Contractor and a copy retained in the CORs file. Technical direction may be issued orally only in emergency situations. If technical direction is issued orally, a TDM must follow within two (2) working days from the date of the oral direction. Amendments, corrections, or changes to TDMs shall also be in written format and shall include all the information set forth in paragraph (e) below.
- (d) A TDM shall be considered issued when the Government deposits it in the mail, or if transmitted by other means, when it is physically delivered to the contractor.
- (e) TDMs shall include, but not be limited to, the following information:
 - (1) Date of TDM,
 - (2) Contract Number,
 - (3) Reference to the relevant portion or item in the Statement of Work,
 - (4) The specific technical direction or clarification, and
 - (5) The signature of the COR.
- (f) CORs shall retain all files containing TDMs for a period of two (2) years after the final contract completion date.
- (g) The only individual authorized in any way to amend or modify any of the terms of this contract shall be the Contracting Officer. When, in the opinion of the Contractor, any technical direction calls for effort outside the scope of the contract or inconsistent with this special provision, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after its receipt.

G-4 SUBCONTRACTORS/CONSULTANTS

- (a) Advance notification or requests for consent pursuant to the contract clause entitled "Subcontracts" (FAR 52.244-2) shall be directed to the cognizant administrative contracting officer (ACO).
- (b) The following subcontractors/consultants have been identified in the Contractor's proposal as necessary for performance of this contract:

Subcontractor/Consultant Name

Estimated Cost

(Paragraph (b) will be included and filled in at time of award if subcontractor/consultants are proposed by the successful offeror)

G-5 NAPS 5252.232-9001 - SUBMISSION OF INVOICES (COST-REIMBURSEMENT, TIME-AND-MATERIALS, LABOR-HOUR, OR FIXED PRICE INCENTIVE (JUL 1992)

(a) "Invoice" as used in this clause includes contractor requests for interim payments using public vouchers (SF 1034) but does not include contractor requests for progress payments under fixed price incentive contracts.

(b) The Contractor shall submit invoices and any necessary supporting documentation, in an original and 4 copies, to the contract auditor at the following address:

(To be completed at time of award)

unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order. In addition, an information copy shall be submitted to [See Section G for designated COR]. Following verification, the contract auditor will forward the invoice to the designated payment office for payment in the amount determined to be owing, in accordance with the applicable payment (and fee) clause(s) of this contract.

(c) Invoices requesting interim payments shall be submitted no more than once every two weeks, unless another time period is specified in the Payments clause of this contract. For indefinite delivery type contracts, interim payment invoices shall be submitted no more than once every two weeks for each delivery orders. There shall be a lapse of no more than 30 calendar days between performance and submission of an interim payment invoice.

(d) In addition to the information identified in the Prompt Payment clause herein, each invoice shall contain the following information, as applicable:

- (1) Contract line item number (CLIN)
- (2) Subline item number (SLIN)
- (3) Accounting Classification Reference Number(ACRN)
- (4) Payment terms
- (5) Procuring activity
- (6) Date supplies provided or services performed
- (7) Costs incurred and allowable under the contract
- (8) Vessel (e.g., ship, submarine or other craft) or system for which supply/service is provided

(e) A DD Form 250, "Material Inspection and Receiving Report",

 is required with each invoice submittal.

 X is required only with the final invoice.

 is not required.

(f) A Certificate of Performance

 shall be provided with each invoice submittal.

 X is not required.

(g) The Contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this contract.

(h) Cost of performance shall be segregated, accumulated and invoiced to the appropriate ACRN categories to the extent possible. When such segregation of costs by ACRN is not possible for invoices submitted with CLIN/SLINS with more than one ACRN, an allocation ratio shall be established in the same ratio as the obligations cited in the accounting data so that costs are allocated on a proportional basis.

G-6 INCREMENTAL FUNDING

Pursuant to the Limitation of Funds clause (FAR 52.232-22), the total amount allotted to this contract is \$ * and it is estimated that this amount is sufficient for contract performance through * .

*(* this provision will be included and completed at time of award, if applicable)*

G-7 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (COST-REIMBURSEMENT)

The purpose of these instructions is to permit the paying office to charge the accounting classification citations in the contract in a manner that reflects the performance of the contract. These instructions do not create any obligation on the part of the Government or the contractor nor do they in any way alter any obligation created by any other provision of the contract. Invoices should be paid from available ACRNs in the following order:

(a) ACRNs cited on the contractor's invoice.

(b) On a proportional basis from any ACRNs assigned to funds which will cancel at the end of the current fiscal year.

(c) The ACRN assigned to the following line of accounting:

97X4930.NH4A 000 77777 0 000173 2F 000000 N00173Z45000.

(d) If funds appropriated in more than one fiscal year are allotted to the contract, the ACRN assigned to the oldest allotment of funds.

(e) On a proportional basis from all ACRNs assigned to allotments of funds appropriated in a single fiscal year.

SECTION H SPECIAL CONTRACT REQUIREMENTS

H-1 TYPE OF CONTRACT

This is a *

*(*To be completed at time of award)*

H-2 ONR 5252.237-9705 - KEY PERSONNEL (DEC 88)

(a) The Contractor agrees to assign to the contract tasks those persons whose resumes were submitted with its proposal and who are necessary to fulfill the requirements of the contract as "key personnel". No substitutions may be made except in accordance with this clause.

(b) The Contractor understands that during the first ninety (90) days of the contract performance period, no personnel substitutions will be permitted unless these substitutions are unavoidable because of the incumbent's sudden illness, death or termination of employment. In any of these events, the Contractor shall promptly notify the Contracting Officer and provide the information described in paragraph (c) below. After the initial ninety (90) day period the Contractor must submit to the Contracting Officer all proposed substitutions, in writing, at least fifteen (15) days in advance (thirty (30) days if security clearance must be obtained) of any proposed substitution and provide the information required by paragraph (c) below.

(c) Any request for substitution must include a detailed explanation of the circumstances necessitating the proposed substitution, a resume for the proposed substitute, and any other information requested by the Contracting Officer. Any proposed substitute must have qualifications equal to or superior to the qualifications of the incumbent. The Contracting Officer or his/her authorized representative will evaluate such requests and promptly notify the Contractor of his/her approval or disapproval thereof.

(d) In the event that any of the identified key personnel cease to perform under the contract and the substitute is disapproved, the contract may be immediately terminated in accordance with the Termination clause of the contract.

The following are identified as key personnel: *

Program Manager *

*(*To be completed at time of award)*

H-3 ONR 5252.216-9706 - LEVEL OF EFFORT (DEC 88)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in this contract. The total level of effort for performance of this contract shall be 14,010 total hours of direct labor for the base award, and 14,010 total hours for each option period, if exercised, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort. A breakdown of labor categories and hours is set forth in paragraph (k) below.

(b) The level of effort for this contract shall be expended at an average rate of 1167 hours per month. It is understood and agreed that the rate of hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total hours of effort prior to the expiration of the term of the contract.

(c) The Contractor is required to notify the Contracting Officer when any of the following situations occur, or are anticipated to occur: If during any three consecutive months the monthly average is exceeded by 25% or, if at any time it is forecast that during the last three months of the contract less than 50% of the monthly average will be used during any given month; or, when 85% of the total level of effort has been expended.

(d) If, during the term of the contract, the Contractor finds it necessary to accelerate the expenditure

of direct labor to such an extent that the total hours of effort specified would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing, setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fixed fee together with an offer setting forth a proposed level of effort, cost breakdown, and proposed fixed fee for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(e) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(f) If the total level of effort specified in paragraph (a) above is not provided by the Contractor during the term of this contract, the Contracting Officer shall either (i) reduce the fixed fee of this contract as follows:

$$\text{Fee Reduction} = \text{Fixed Fee} \times \frac{(\text{Required LOE Hours} - \text{Expended LOE Hours})}{\text{Required LOE Hours}}$$

or (ii) subject to the provisions of the clause of this contract entitled "Limitation of Cost," require the Contractor to continue to perform the work until the total number of hours of direct labor specified in paragraph (a) shall have been expended, at no increase in the fixed fee of this contract.

(g) In the event the government fails to fully fund the contract in a timely manner, the term of the contract may be extended accordingly with no change to cost or fee. If the government fails to fully fund the contract, the fee will be adjusted in direct proportion to that effort which was performed.

(h) Notwithstanding any of the provisions in the above paragraphs, the Contractor may furnish hours up to five percent in excess of the total hours specified in paragraph (a) above, provided that the additional effort is furnished within the term hereof, and provided further that no increase in the estimated cost or fixed fee is required, and no adjustment in the fixed fee shall be made provided that the Contractor has delivered at least 95% of the level of effort required in paragraph (a) above.

(i) It is understood that the mix of labor categories provided by the Contractor under the contract, as well as the distribution of effort among those categories, may vary considerably from the initial mix and distribution of effort which was estimated by the government or proposed by the Contractor.

(j) Nothing herein shall be construed to alter or waive any of the rights or obligations of either party pursuant to the Clause entitled "Limitation of Costs" or "Limitation of Funds," either of which clauses as incorporated herein applies to this contract.

(k) The anticipated breakdown by labor category of the total level of effort is as follows:

TASK	LABOR CATEGORY	EST. HOURS
TASK 3.1 - Research and Development of Security Measures for Cryptographic Protocols	Senior Scientist Scientist/Engineer/Analyst	4800 1120
	TASK 3.1	Total Est Hours 5920
TASK 3.2 - Research and Development of Trusted Computer Systems	Senior Scientist Scientist/Engineer/Analyst Associate Scientist/Engineer/Analyst	5760 3840 3840
	TASK 3.2	Total Est Hours 13400
TASK 3.3 - Research and Development of Trusted Networked Systems	Senior Scientist Scientist/Engineer/Analyst Associate Scientist/Engineer/Analyst	7680 1920 5760
	TASK 3.3	Total Est Hours 15360
TASK 3.4 - Research and Development of Secure Digital Voice Systems	Senior Scientist Scientist/Engineer/Analyst	960 2880
	TASK 3.4	Total Est Hours 3840
TASK 3.5 - Research and Development in Information Warfare Technology	Scientist/Engineer/Analyst Associate Scientist/Engineer/Analyst	5760 1920
	TASK 3.5	Total Est Hours 7680
TASK 3.6 - Development of Audio/Visual Materials and Aids, Project Management	Project Specialist	7680
	TASK 3.6	Total Est Hours 7680
TASK 3.7 - Hardware and Software System Design and Maintenance	Scientist/Engineer/Analyst	1920
	TASK 3.7	Total Est Hours 1920
TASK 3.8 - Program Management	Program Manager	240
	TASK 3.8	Total Est Hours 240
	TOTAL EST. HOURS ALL TASKS	56040

H-4 ONR 5252. 235-9714 - REPORT PREPARATION (FEB 97)

Scientific or technical reports prepared by the Contractor and deliverable under the terms of this contract will be prepared in accordance with format requirements contained in ANSI/NISO Z39.18-1995, "Scientific and Technical Reports: Elements, Organization, and Design. "[NOTE: ANSI Z39.18 may be obtained from NISO Press Fulfillment Center, P. O. Box 338, Oxon Hill, MD. 20750-0338.Telephone 1-800-282-6476]

H-5 OPTION TO EXTEND TERM

This contract shall be renewable at the unilateral option of the Government by the Contracting Officer's notice of renewal to the Contractor within the existing term of the contract.

H-6 ON-SITE USE OF GOVERNMENT PROPERTY

Government facilities and equipment specified or approved for use in the performance of any portion of the contract at the U.S. Naval Research Laboratory (NRL) or any of its field sites may be used by the contractor's personnel on a rent free basis. All such property shall be considered to remain in the possession and control of the NRL for property responsibility and accountability purposes.

H-7 YEAR 2000 COMPLIANT INFORMATION TECHNOLOGY

This requirement applies to information technology (IT) that processes date-related information. All such IT delivered under this contract shall be Year 2000 compliant as defined at FAR 39.002.

H-8 REPRESENTATIONS AND CERTIFICATIONS

The Contractor's completed Representations, Certifications, and Other Statements of Offerors or Respondents is incorporated herein by reference in any resultant award.

**PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES**

I-1 52.252-2 - CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>
<http://heron.nrl.navy.mil/contracts/home.htm>

a. FEDERAL ACQUISITION REGULATION CLAUSES

<u>FAR CLAUSE</u>	<u>TITLE</u>
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52.202-1	- Definitions (OCT 1995)
52.203-3	- Gratuities (APR 1984)

- 52.203-5 - Covenant Against Contingent Fees (APR 1984)
- 52.203-6 - Restrictions On Subcontractor Sales To The Government (JUL 1995)
- 52.203-7 - Anti-Kickback Procedures (JUL 1995)
- 52-203-8 - Cancellation, Rescission, And Recovery Of Funds For Illegal Or Improper Activity (JAN 1997)
- 52.203-10 - Price Or Fee Adjustment For Illegal Or Improper Activity (JAN 1997)
- 52.203-12 - Limitation On Payments To Influence Certain Federal Transactions (JUN 1997)
- 52.204-2 - Security Requirements (AUG 1996)
- 52.204-4 - Printing/Copying Double-Sided On Recycled Paper (JUN 1996)
- 52.209-6 - Protecting The Government's Interest When Subcontracting With Contractors Debarred, Suspended, Or Proposed For Debarment (JUL 1995)
- 52.211-15 - Defense Priority and Allocation Requirements (SEP 1990)
- 52.215-2 - Audit And Records-Negotiation (JUNE 1999)
- 52.215-8 - Order of Precedence - Uniform Contract Format (OCT 1997)
- 52.215-11 - Price Reduction for Defective Cost or Pricing Data - Modifications (OCT 1997)
- 52.215-13 - Subcontractor Cost or Pricing Data Modifications (OCT 1997)
- 52.215-14 - Integrity of Unit Prices (OCT 1997)
- 52.215-15 - Pension Adjustments And Asset Reversions (DEC 1998)
- 52.215-17 - Waiver of Facilities Capital Cost of Money (OCT 1997)
(will be included if the successful offeror does not propose facilities capital cost of money)
- 52.215-18 - Reversion or Adjustment of Plans for Post-retirement Benefits (PRB) Other than Pensions (OCT 1997)
- 52.215-19 - Notification of Ownership Changes (OCT 1997)
- 52.215-21 - Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data -Modifications (OCT 1997)
- 52.216-7 - Allowable Cost And Payment (MAR 2000)
- 52.216-8 - Fixed-Fee (MAR 1997)
- 52.219-4 - Notice of Price Evaluation Preference For HUBZone Small Business Concerns (JAN 1999) ☐ Offeror elects to waive the evaluation preference.
- 52.219-8 - Utilization Of Small Business Concerns (OCT 1999)
- 52.219-9 - Small Business Subcontracting Plan (OCT 1999) - Alternate II (JAN 1999)
- 52.219-16 - Liquidated Damages-Subcontracting Plan (JAN 1999)
- 52.219-25 - Small Disadvantaged Business Participation Program-Disadvantaged Status And Reporting (OCT 1999)
- 52.222-1 - Notice To The Government Of Labor Disputes (FEB 1997)
- 52.222-2 - Payment For Overtime Premiums (JUL 1990) -The Use Of Overtime Is Authorized Under This Contract If The Overtime Premium Does Not Exceed "0"
- 52.222-3 - Convict Labor (AUG 1996)
- 52.222-21 - Prohibition of Segregated Facilities (FEB 1999)
- 52.222-26 - Equal Opportunity (FEB 1999)
- 52.222-35 - Affirmative Action For Disabled Veterans And Veterans Of The Vietnam Era (APR 1998)
- 52.222-36 - Affirmative Action For Workers With Disabilities (JUN 1998)
- 52.222-37 - Employment Reports On Disabled Veterans And Veterans Of The Vietnam Era (APR 1998)

- 52.223-3 - Hazardous Material Identification And Material Safety Data (JAN 1997)
- 52.223-5 - Pollution Prevention and Right-To-Know Information (APR 1998)
- 52.223-6 - Drug-Free Workplace (JAN 1997)
- 52.223-14 - Toxic Chemical Release Reporting (OCT 1996)
- 52.225-13 - Restrictions On Certain Foreign Purchases (FEB 2000)
- 52.226-1 - Utilization Of Indian Organizations And Indian-Owned Economic Enterprises (FEB 2000)
- 52.227-1 - Authorization And Consent (JUL 1995)- Alternate I (APR 1984)
- 52.227-2 - Notice And Assistance Regarding Patent And Copyright Infringement (AUG 1996)
- 52.227-10 - Filing of Patent Application- Classified Subject Matter (APR 1984)
- 52.227-11 - Patent Rights - Retention By The Contractor (Short Form) (JUN 1997)
(will be included if the successful offeror is a small business or a non-profit organization)
- 52.227-12 - Patent Rights - Retention By The Contractor (Long Form) (JAN 1997)
(will be included if the successful offeror is not a small business or a non-profit organization)
- 52.228-7 - Insurance - Liability To Third Persons (MAR 1996)
- 52.230-2 - Cost Accounting Standards (APR 1998)
- 52.230-3 - Disclosure And Consistency Of Cost Accounting Practices (APR 1998)
- 52.230-6 - Administration Of Cost Accounting Standards (NOV 1999)
- 52.232-9 - Limitation On Withholding Of Payments (APR 1984)
- 52.232-17 - Interest (JUN 1996)
- 52.232-18 - Availability Of Funds (APR 1984)
- 52.232-20 - Limitation Of Cost (APR 1984) *(Applicable when the contract or task order is fully funded)*
- 52.232-22 - Limitation Of Funds (APR 1984) *(Applicable when the contract or task order is not fully funded)*
- 52.232-23 - Assignment Of Claims (JAN 1986) Alternate I (APR 1984)
- 52.232-25 - Prompt Payment (JUN 1997)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (MAY 1999)
- 52.233-1 - Disputes (DEC 1998) - Alternate I (DEC 1991)
- 52.233-3 - Protest After Award (AUG 1996) - Alternate I (JUN 1985)
- 52.237-2 - Protection Of Government Buildings, Equipment And Vegetation (APR 1984)
- 52.237-3 - Continuity Of Services (JAN 1991)
- 52.237-10 - Identification of Uncompensated Overtime (OCT 1997)
- 52.242-1 - Notice Of Intent To Disallow Costs (APR 1984)
- 52.242-3 - Penalties For Unallowable Costs (OCT 1995)
- 52.242-4 - Certification of Final Indirect Costs (JAN 1997)
- 52.242-13 - Bankruptcy (JUL 1995)
- 52.243-2 - Changes - Cost-Reimbursement (AUG 1987) - Alternate V (APR 1984)
- 52.243-7 - Notification Of Changes (APR 1984)fill in 30
- 52.244-2 - Subcontracts (AUG 1998) - Alternate I (AUG 1998)
- 52.244-5 - Competition In Subcontracting (DEC 1996)
- 52.244-6 - Subcontracts for Commercial Items and Commercial Components (OCT 1998)
- 52.245-5 - Government Property (Cost-Reimbursement, Time-And-Material, Or Labor-Hour Contracts) (JAN 1986) (DEVIATION)

- 52.246-23 - Limitation Of Liability (FEB 1997)
- 52.246-25 - Limitation Of Liability - Services (FEB 1997)
- 52.247-1 - Commercial Bill Of Lading Notations (APR 1984)
- 52.247-63 - Preference For U. S. Flag Carriers (JAN 1997)
- 52.249-6 - Termination (Cost-Reimbursement) (SEP 1996)
- 52.249-14 - Excusable Delays (APR 1984)
- 52.251-1 - Government Supply Sources (APR 1984)
- 52.252-6 - Authorized Deviations in Clauses (APR 1984)(fill in Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2))
- 52.253-1 - Computer Generated Forms (JAN 1991)

b. DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION CLAUSES

DFARS CLAUSE TITLE

- 252.201-7000 - Contracting Officer's Representative (DEC 1991)
- 252.203-7001 - Prohibition On Persons Convicted Of Fraud Or Other Defense Contract Related Felonies (MAR 1999)
- 252.203-7002 - Display Of DoD Hotline Poster (DEC 1991)
- 252.204-7000 - Disclosure Of Information (DEC 1991)
- 252.204-7003 - Control Of Government Personnel Work Product (APR 1992)
- 252.204-7004 - Required Central Contractor Registration (MAR 2000)
- 252.204-7005 - Oral Attestation Of Security Responsibilities (AUG 1999)
- 252.205-7000 - Provision Of Information To Cooperative Agreement Holders (DEC 1991)
- 252.209-7000 - Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate-Range Nuclear Forces (INF) Treaty (NOV 1995)
- 252.209-7004 - Subcontracting With Firms That Are Owned Or Controlled By The Government Of A Terrorist Country (MAR 1998)
- 252.215-7000 - Pricing Adjustments (DEC 1991)
- 252.219-7003 - Small Business And Small Disadvantaged Business Subcontracting Plan (DoD Contracts) (APR 1996)
- 252.219-7004 - Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (Test Program) (JUN 1997)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)
- 252.225-7001 - Buy American Act And Balance Of Payments Program (MAR 1998)
- 252.225-7002 - Qualifying Country Sources As Subcontractors (DEC 1991)
- 252.225-7009 - Duty Free Entry- Qualifying Country Supplies (End Products and Components) (MAR 1998)
- 252.225-7010 - Duty Free Entry - Additional Provisions (MAR 1998)
- 252.225-7012 - Preference For Certain Domestic Commodities (MAY 1999)
- 252.225-7026 - Reporting Of Contract Performance Outside The United States (MAR 1998)
- 252.225-7031 - Secondary Arab Boycott Of Israel (JUN 1992)
- 252.225-7043 - Antiterrorism/Force Protection Policy For Defense Contractors Outside The United States (JUN 1998) (fill in : Naval Criminal Investigative Service (NCIS), Code 24, telephone, DSN 228-9113 or commercial (202)433-9113)

- 252.227-7000 - Non Estoppel (OCT 1966)
- 252.227-7001 - Release Of Past Infringement (AUG 1984)
- 252.227-7013 - Rights In Technical Data -- Noncommercial Items (NOV 1995)
- 252.227-7014 - Rights In Noncommercial Computer Software And Noncommercial Computer Software Documentation (JUN 1995)
- 252.227-7016 - Rights In Bids or Proposal Information (JUN 1995)
- 252.227-7019 - Validation Of Asserted Restrictions--Computer Software (JUN 1995)
- 252.227-7030 - Technical Data--Withholding Of Payment (MAR 2000)
- 252.227-7034 - Patents--Subcontracts (APR 1984)
- 252.227-7036 - Declaration Of Technical Data Conformity (JAN 1997)
- 252.227-7037 - Validation Of Restrictive Markings On Technical Data (SEP 1999)
- 252.227-7039 - Patents--Reporting of Subject Inventions (APR 1990)
- 252.231-7000 - Supplemental Cost Principles (DEC 1991)
- 252.235-7010 - Acknowledgment of Support and Disclaimer (MAY 1995)
- 252.235-7011 - Final Scientific Or Technical Report (SEP 1999)
- 252.242-7000 - Post Award Conference (DEC 1991)
- 252.243-7002 - Requests for Equitable Adjustment (MAR 1998)
- 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (MAR 2000)
- 252.245-7001 - Reports of Government Property (MAY 1994)
- 252.247-7023 - Transportation Of Supplies By Sea (MAR 2000)
- 252.247-7024 - Notification Of Transportation Of Supplies By Sea (MAR 2000)
(will be included if the successful offeror made a negative response to the inquiry at DFARS 252.247-7022)
- 252.251-7000 - Ordering From Government Supply Sources (MAY 1995)

I-2 FAR 52.223-11 - OZONE-DEPLETING SUBSTANCES (JUN 1996)

(a) Definitions.

"Ozone-depleting substance", as used in this clause, means any substance designated as Class I by the Environmental Protection Agency (EPA) (40 CFR Part 82), including but not limited to chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or any substance designated as Class II by EPA (40 CFR Part 82), including but not limited to hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

"WARNING: Contains (or manufactured with, if applicable) _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere."

* The Contractor shall insert the name of the substance(s).

I-3 DFARS 252.225-7008 - SUPPLIES TO BE ACCORDED DUTY- FREE ENTRY (MAR 1998)

In accordance with paragraph (b) of the Duty-Free Entry clause of this contract, in addition to duty-free entry for all qualifying country supplies (end products and components) and all eligible end products subject to applicable trade agreements (if this contract contains the Buy American Act - Trade Agreements - Balance of Payments Program clause or the Buy American Act - North American Free Trade Agreement Implementation Act - Balance of Payments Program clause), the following foreign end products that are neither qualifying country end products nor eligible end products under a trade agreement, and the following nonqualifying country components, are accorded duty free entry.

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
SECTION J
LIST OF ATTACHMENTS

- J-1** Attachment (1) - Statement Of Work - 4 Pages, With Exhibit A - DD Form 1423, Contract Data Requirements List, 3 Pages.
- J-2** Attachment (2) – Personnel Qualifications, 12 Pages.
- J-3** Attachment (3) - DD Form 254, Contract Security Classification Specification, Ser 062-99, Dated 991015 - 2 Pages.
- J-4** Attachment (4) – Accounting and Appropriation Data- 1 page. *

(* To be included at time of award)

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION - K
REPRESENTATIONS, CERTIFICATIONS
AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS

K-1 Representations, Certifications, and Other Statements of Offerors or Respondents

Each Offeror must submit a completed Representations, Certifications, and Other Statements Of Offerors or Respondents with its proposal which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/rep&certs.htm>

K-2 FILL IN FOR FAR 52.219-1 - SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 1999)

The fill in information is as follows:

The standard industrial classification (SIC) code for this acquisition is 7371.

The small business size standard is \$18M.

SECTION L
INSTRUCTIONS CONDITIONS AND NOTICES
TO OFFERORS OR RESPONDENTS

L-1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

FAR CLAUSE	TITLE
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52.204-6	- Data Universal Numbering System (DUNS) Number (JUNE 1999)
52.214-34	- Submission Of Offers In The English Language (APR 1991)
52.214-35	- Submission Of Offers In U.S. Currency (APR 1991)
52.215-1	- Instructions to Offerors- Competitive Acquisition (FEB 2000)
52.215-16	- Facilities Capital Cost Of Money (OCT 1997)
52.219-24	- Small Disadvantaged Business Participation Program - Targets (JAN 1999)
52.222-24	- Preaward On-Site Equal Opportunity Compliance Evaluation (FEB 1999)
52.252-5	- Authorized Deviations in Provisions (APR 1984)

L-2 FAR 52.211-14 - NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be a ☐ DX rated order; ☒ DO rated order certified for national use under the Defense Priorities and Allocations system (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

L-3 FAR 52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997)ALTERNATE IV (OCT 1997)

- (a) Submission of cost or pricing data is not required.
- (b) Provide information described in Section L-12, Volume II, Business Proposal.

L-4 FAR 52.216-1 - TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Cost Plus Fixed Fee Term contract resulting from this solicitation.

L-5 FAR 52.233-2 - SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the Control Desk, Code 3200, Bldg. 222, Rm. 115, Naval Research Laboratory, 4555 Overlook Ave., S.W., Washington DC 20375-5326.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L-6 DFARS 252.227-7017 - IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JUN 1995)

- (a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--
 - (1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
 - (2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
- (b) The identification and assertion requirements in this provision apply only to technical data, including computer software documents, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for

restrictions based solely on copyright.

- (c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.
- (d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror: Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
(LIST)*****	(LIST)	(LIST)	(LIST)

* For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such items, component, or process. For computer software or computer software documentation identify the software or documentation.

** Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

*** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

**** Corporation, individual, or other person, as appropriate.

***** Enter "none" when all data or software will be submitted without restrictions.

Date

Printed Name and Title

Signature

(End of identification and assertion)

- (e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.
- (f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

L-7 DFARS 252.227-7028 - TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)

The Offeror shall attach to its offer an identification of all documents or other media incorporating technical data or computer software it intends to deliver under this contract with other than unlimited rights that are identical or substantially similar to documents or other media that the Offeror has produced for, delivered to, or is obligated to deliver to the Government under any contract or subcontract. The attachment shall identify - -

- (a) The contract number under which the data or software were produced;
- (b) The contract number under which, and the name and address of the organization to whom, the data or software were most recently delivered or will be delivered; and
- (c) Any limitations on the Government's rights to use or disclose the data or software, including, when applicable, identification of the earliest date the limitations expire.

L-8 GOVERNMENT-FURNISHED PROPERTY

No material, labor, or facilities will be furnished by the Government unless provided for in the solicitation.

L-9 INQUIRIES CONCERNING THE RFP

Any questions concerning the RFP must be submitted in writing to the Contracting Officer at the location noted in blocks 7 and 9 of the Standard Form 33, "Solicitation, Offer and Award," no less than fifteen (15) days before closing. The Government will not consider questions received after this date. Offerors are cautioned against directing any questions concerning this RFP to technical personnel at the Naval Research Laboratory.

L-10 INSTRUCTIONS FOR SUBMISSION AND INFORMATION REQUIRED TO EVALUATE PROPOSALS

- (1) Information for the technical/management proposal shall be placed in Volume I and be completely separate from the business proposal (Volume II).
- (2) Proposal Identification/Mailing - The proposal should be packaged for delivery so as to permit safe and timely arrival at destination. The proposal package should be sent to the address shown in Block 7 of the RFP face page and marked:

Solicitation No. N00173-00-R-CR02

Closing Date: (As specified in Block 9, RFP face page)

Attn: Code 3220.CR

(3) Proposal Format and Length - No attempt is made to restrict the proposal format and style. However, the proposal should be written and organized so as to be compatible with the RFP, the Statement of Work, company's organization and accounting structure, and proposed cost estimate. Offerors are encouraged to use recycled paper and maximize the use of double sided copying when preparing responses to solicitations.

L-11 VOLUME I - TECHNICAL/MANAGEMENT PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 3 COPIES.

(1) Proposed Labor Hours, Equipment/Materials and Travel: Offerors must propose the Government estimate for the number of labor hours in accordance with Section H-2, entitled "Level Of Effort", and the Government estimate for Equipment/Materials and Travel in accordance with Section L-15, entitled "Equipment/Material".

(2) The following information is required for evaluation of your Technical/Management portion of the proposal. Any additional information may be provided.

A. QUALIFICATIONS OF PERSONNEL

The proposal should indicate the technical competence of the offerors key and supporting personnel as demonstrated by their resumes, experience (both general and project related), publication records, and the degree to which they meet the requirements set forth in the Request for Proposal (RFP) and any attachments/Exhibits to the RFP.

The proposal should indicate the availability of all personnel and key personnel to support the effort on a permanent basis. Key personnel must be currently employed by the offeror or documentation included indicating their immediate availability. A statement of commitment by the offeror that specific personnel will be committed to the effort is essential.

B. CORPORATE EXPERIENCE

The proposal should indicate the offerors demonstrated corporate experience, technical and management base, both general and task specific, in providing the necessary support for performance of the Statement of Work requirements, particularly in an "on-site" environment. The proposal should address the ability to administratively support "on-site" efforts with minimum demands upon government personnel assistance.

The proposal should indicate the sufficiency of the offerors staff to accommodate program changes within the Statement of Work.

C. TECHNICAL UNDERSTANDING

The proposal should indicate the offeror's complete understanding of the technical requirements and the general nature of the tasks set forth in the Statement of Work. The offeror's understanding of the entire Statement of Work will be evaluated.

The proposal should demonstrate the offerors experience in the type of research and development required by the tasks set forth in the Statement of Work.

The proposal should address the technical requirements stated in the Statement of Work. Simply stating that the offeror understands the Statement of Work or restating the Statement of Work will not be considered responsive.

L-12 VOLUME II - BUSINESS PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 3 COPIES

(1) COST PROPOSAL

The offeror shall submit a business proposal that includes a cost proposal with supporting information for each cost element consistent with offeror's cost accounting system. The supporting breakdown should include such elements as materials, direct labor, indirect cost, and other costs such as travel. The offeror shall provide exhibits as necessary to substantiate the cost elements. Should rates be used in the proposal which are not DCAA approved, the offeror shall provide complete documentation and the rationale for their use at time of proposal submission.

(a) TRAVEL ESTIMATES (FOR EVALUATION PURPOSES ONLY) are as follows:

The travel estimate must be included in each offerors cost proposal for evaluation purposes only. During the performance of the contract, the contractor will be reimbursed actual and allowable travel expenses. The Government estimates the travel costs for this effort to be \$30,000.00 per year or \$120,000.00 for the total effort (four years).

(b) EQUIPMENT/MATERIAL ESTIMATES FOR EVALUATION PURPOSES ONLY) are as follows:

The equipment/material estimate must be included in each offerors cost proposal for evaluation purposes only. During the performance of the contract, the contractor will be reimbursed actual and allowable equipment/material expenses. The Government estimates the equipment/material costs for this effort to be \$150,000.00 per year or \$600,000.00 for the total effort (four years).

(c) CONSULTANTS/SUBCONTRACTS

Offerors shall describe subcontracting arrangements proposed for completing the work identified in the Statement of Work. Subcontractors shall be identified as well as the portion of the work to be subcontracted. Documents establishing a subcontracting relationship shall be submitted with the cost

proposal. Offerors may arrange for proposed subcontractors to submit supporting costs data directly to the Government. Any such submission shall not be deemed to establish privity of contract between the Government and the proposed subcontractor. With respect to independent contractors or consultants, the offeror shall document direct labor rates proposed by providing the government with copies of either letters of intent or consultant or independent contractor agreements executed between the offeror and the independent contractor. Offerors who intend to include subcontracted effort as part of their proposal are responsible for ensuring that complete information as described above is provided from each subcontractor as part of their response to this solicitation.

(2) SMALL BUSINESS PARTICIPATION

(a) In addition to complying with the clause at FAR 52.219-9, Small Business Subcontracting Plan (Jan 1999) with its Alternate II, proposals must include information to permit evaluation of the extent of participation of small businesses and historical black colleges or universities and minority institutions in performance of the contract. Participation to be identified may be in the form of a joint venture, teaming arrangement, or subcontract. Small business concerns that are not required by FAR 52.219-9 to submit a subcontracting plan must indicate the extent to which proposed joint ventures, teaming arrangements, or subcontracts are with historically black colleges or universities and minority institutions. Information provided should include the extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

SECTION M EVALUATION FACTORS FOR AWARD

M-1 EVALUATION

Award will be made to that offeror whose proposal is determined to be the best value to the Government, proposed cost and other factors considered. The Government reserves the right to make award to other than the low offeror. Although technical considerations are more important than the cost factor, the closer the technical scores of the various proposals are to one another, the more important the business considerations become.

M-2 EVALUATION FACTORS FOR AWARD

Proposals will be evaluated in accordance with the following criteria. The technical factor is more important than the cost factor. Technical subfactor (1) is of greater importance than technical subfactors (2) and (3). Technical subfactors (2) and (3) are of equal importance.

M-2-1 TECHNICAL/MANAGEMENT**(1) QUALIFICATIONS OF PERSONNEL**

The proposal will be evaluated on the technical competence of the offerors key and supporting personnel as demonstrated by their resumes, experience (both general and project related), publication records, and the degree to which they meet the requirements set forth in the RFP and any attachments/Exhibits to the RFP.

The proposal will be evaluated on the availability of all personnel and key personnel to support the effort on a permanent basis. Key personnel must be currently employed by the offeror or documentation included indicating their immediate availability. A statement of commitment by the offeror that specific personnel will be committed to the effort should be provided.

(2) CORPORATE EXPERIENCE

The proposal will be evaluated on the offerors demonstrated corporate experience, technical and management base, both general and task specific, in providing the necessary support for performance of the Statement of Work requirements, particularly in an "on-site" environment. The proposal should address the ability to administratively support "on-site" efforts with minimum demands upon government personnel assistance.

The proposal will be evaluated on the sufficiency of the offerors staff to accommodate program changes within the Statement of Work.

(3) TECHNICAL UNDERSTANDING

The proposal will be evaluated on the offeror's complete understanding of the technical requirements and the general nature of the tasks set forth in the Statement of Work. The offeror's understanding of the entire Statement of Work will be evaluated.

The proposal will be evaluated on the offerors demonstrated experience in the type of research and development required by the tasks set forth in the Statement of Work.

The proposal will be evaluated on whether the offeror addressed all of the technical requirements in the Statement of Work. A simple statement of understanding or playback of the Statement of Work will not be considered as responsive.

M-2-2 COST TO THE GOVERNMENT

Proposed estimated cost to the Government. The Government may adjust the proposed cost for purposes of evaluation based upon an evaluation of cost realism. Cost realism means that the costs in an offerors proposal are realistic for the work to be performed; reflect a clear understanding of the

requirements; and are consistent with the various elements of the offerors technical proposal. The cost realism evaluation includes an analysis of the adequacy of the hours, labor mix, and other direct costs to perform the work as proposed in the technical proposal as well as the proposed labor and indirect rates. It also includes evaluation of the likelihood that the risks inherent in the offerors technical approach will result in higher actual costs than anticipated.

STATEMENT OF WORK

TECHNICAL SUPPORT IN INFORMATION WARFARE SYSTEMS

1.0 INTRODUCTION

Many of the Naval Research Laboratory's (NRL's) principal interests are in the areas of Scientific, Engineering, Technology, and Analytical support for Information Warfare Systems.

2.0 SCOPE

The contractor shall provide Scientific, Engineering, Technical, and Analytical support for a wide range of NRL research activities, identified below, to support offensive and defensive Information Warfare.

- Research And Development of Security Measures for Cryptographic Protocols
- Research And Development of Trusted Computer Systems
- Research And Development of Trusted Networked Systems
- Research And Development of Secure Digital Voice Systems
- Research And Development in Information Warfare Technology
- Development of Audio/Visual Materials and Aids, Project Management
- Hardware And Software System Design And Maintenance
- Program Management

3.0 STATEMENT OF TASKS

The contractor shall perform the following tasks:

3.1 RESEARCH AND DEVELOPMENT OF SECURITY MEASURES FOR CRYPTOGRAPHIC PROTOCOLS

The contractor shall provide support in the design and development of a variety of information security capabilities. Specifically, the contractor shall perform research and development in the analysis of security measures for cryptographic protocols used in secure distributed systems. The contractor shall perform experiments with various information displays, and analyze the effectiveness of the information in terms of the reactions of people using the security tools.

3.2 RESEARCH AND DEVELOPMENT OF TRUSTED COMPUTER SYSTEMS

The contractor shall provide research and development support in the design and proof-of-concept implementation of trusted computer systems. Continued development of automated database updates via the NRL Pump will provide sharing of information from Multi-level security (MLS) databases, including the automated database updating for TAMPS (Tactical Aircraft Mission Planning System) Assured Strike Planning.

The contractor shall provide trusted system development research support into the functional and timing models of real-time systems, using disciplined software-engineering techniques (e.g., module decomposition, specification of abstract interfaces, program design and testing) in the development of prototype formal and semiformal specification tools. It also includes participation in the planning of research initiatives; in model development and review; in design and implementation of experimental software; and in analysis of research results to assess progress towards goals. The contractor shall provide literature reviews, theory development, and refinement of theories and models.

3.3 RESEARCH AND DEVELOPMENT OF TRUSTED NETWORKED SYSTEMS

The contractor shall provide research and development support in the design and proof-of-concept implementation of networked trusted computer systems. Support shall be provided for the development of secure IP (internet provider) protocols such as Ipv6. Additional secure routing technology development shall be conducted for the Onion Router. High assurance techniques shall be incorporated into networked GCCS-M (Global Command and Control System - Maritime) command and control (C2) systems of differing system security levels. Multi-level security (MLS) levels. Development leading to prototype implementations shall be conducted for connecting C2 secure system networks to Sensitive-But-Unclassified (SBU) office automation systems using guard and firewall technology for systems like the Defense Messaging System. A firewall test bed shall be developed for the assessment of firewall technology. Development support shall be provided for network vulnerability assessment software tool, including operational network testing support as required.

3.4 RESEARCH AND DEVELOPMENT IN SECURE DIGITAL VOICE TECHNOLOGY

The contractor shall provide hardware engineering, software engineering, system interface support, and technical support for the development of secure digital voice systems, and for the electronic distribution of cryptographic keying material. Secure digital voice system technology includes the development of low data rate voice algorithms, and the incorporation of encryption techniques to provide robust shipboard

communications. Electronic key management technology requires distribution of cryptographic key material for encrypted data communications.

3.5 RESEARCH AND DEVELOPMENT IN INFORMATION WARFARE TECHNOLOGY

The contractor shall provide hardware engineering, software engineering, system interface support, and technical support for the maintenance and upgrade of existing communication simulator facilities, and other applicable simulators and equipment, necessary for the testing and evaluation of currently used communication jammers. The contractor shall also provide complete analysis, graphics portrayal, and publication support to produce systematized documentation involved with investigations of data link signal environments, real-time digital signal processing, frequency hopping techniques, HF (high frequency) propagation characteristics, and other associated communications combat domains.

3.6 DEVELOPMENT OF AUDIO/VISUAL MATERIALS AND AIDS, PROJECT MANAGEMENT

In the prosecution of technical programs, the contractor shall provide technical and engineering support in maintaining programmatic material, communicating with program participants, preparing technical briefings, annotation and promulgation of action items resulting from meetings and general programmatic support of a technical nature. The contractor shall ensure that all project and program actions are tracked and documented and that the documentation is made available to all program participants. The contractor shall provide support to the Government in developing task statements, actions items, and tracking procedures. The contractor shall provide support in the development of technical reports, briefing materials, resource tracking and all other programmatic information required.

3.7 HARDWARE AND SOFTWARE SYSTEM DESIGN AND MAINTENANCE

NRL maintains a variety of heterogeneous, networked systems for the development of technical programs. These systems range from state-of-the-art SONET/ATM (Synchronous Optical Network/Asynchronous Transfer Mode) networks with high-end workstations and parallel processing systems to local networks running at less than ethernet capability. These networked systems are often configured as a number of workstations running off a server with a storage farm. Requirements exist to implement state-of-the-art capabilities; design, reconfigure and maintain distributed systems; update older configurations and generally maintain systems at current or recent versions of the operating systems and file management systems. The overall systems include:

SONET/ATM networks
Fiber optic networks with FDDI (Fiber Distributed Data Interfaces)
Fiber hubs with HIPPI (High Performance Peripheral Interface)
100MBS/10MBS ethernet
AppleTalk and other local networking protocols
NFS and AFS file systems (Novell File Server and Andrew File System)
Kerberos authentication
SUN OS, SOLARIS, MACINTOSH Systems 7/8, MS DOS, Windows 98/NT
SGI and SUN systems
Modems and remote network access systems (ppp, MacSLP, etc.)

The contractor shall design, configure, reconfigure, update and maintain individual networked groups, maintain close to current revisions of operating systems and adapting to the full range of available local and wide area networks. The contractor shall ensure that all information is backed up at defined intervals and that future needs are anticipated and reported as needed. The contractor shall develop and maintain complete site documentation for the configuration of the system and provide on-line documentation for start-up and shutdown of all systems. The contractor shall develop growth plans based on current usage so that future system and software needs may be entered into the budget.

3.8 PROGRAM MANAGEMENT

The contractor shall perform the following functions in support of all tasks.

- a. Project Organization--provide task leader support along NRL functional areas and coordination of task leader technical activities.
- b. Assignment of Personnel--assign personnel to meet specific task requirements in the areas of staff knowledge, experience, and demonstrated performance.
- c. Task Management--provide continual refinement of schedule, resource requirements, approach methodology, and identification and resolution of problems areas.
- d. Cost Monitoring and Control--produce and deliver a monthly comprehensive contract cost monitoring and control report. Contractor shall establish budgets and monitor the financial status of the individual SOW tasks and the total program.
- e. Subcontract Administration--perform as liaison to subcontractors for technical tasking, technical and financial performance monitoring and compliance review of deliverable items.

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OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

17. PRICE GROUP

**18. ESTIMATED
TOTAL PRICE**

17. PRICE GROUP

**18. ESTIMATED
TOTAL PRICE**

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0002		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>			
D. SYSTEM / ITEM R&D support		E. CONTRACT / PR NO.		F. CONTRACTOR			
1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM System Growth Plans			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) n/a		5. CONTRACT REFERENCE SOW Task 3.7		6. REQUIRING OFFICE NRL			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED n/a	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION ASREQ	14. DISTRIBUTION			
8. APP CODE n/a		11. AS OF DATE ASREQ	13. DATE OF SUBSEQUENT SUBMISSION ASREQ	a. ADDRESSEE	b. COPIES Draft Final Reg Repro		
16. REMARKS The contractor shall develop and provide documentation on the system growth plan based on current usage and software needs.				COR	1	1	
15. TOTAL →				1	1		
1. DATA ITEM NO. A004	2. TITLE OF DATA ITEM On-Line Documentation for System Start-Up/Shut-Down			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) n/a		5. CONTRACT REFERENCE SOW Task 3.7		6. REQUIRING OFFICE NRL			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED n/a	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION ASREQ	14. DISTRIBUTION			
8. APP CODE n/a		11. AS OF DATE ASREQ	13. DATE OF SUBSEQUENT SUBMISSION ASREQ	a. ADDRESSEE	b. COPIES Draft Final Reg Repro		
16. REMARKS The contractor shall provide documentation for the configuration of the system and on-line start-up and shut-down procedures.				COR	1	1	
15. TOTAL →				1	1		
G. PREPARED BY NRL Code		H. DATE 5/3/00		I. APPROVED BY		J. DATE	

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CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
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A. CONTRACT LINE ITEM NO. 0002		B. EXHIBIT A		C. CATEGORY: TDP _____ TM- _____ OTHER _____ X _____			
D. SYSTEM / ITEM R&D support		E. CONTRACT / PR NO.		F. CONTRACTOR			
1. DATA ITEM NO. A005	2. TITLE OF DATA ITEM Technical Progress Reports			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) n/a		5. CONTRACT REFERENCE SOW all Tasks		6. REQUIRING OFFICE NRL			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED n/a	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION 30DAC	14. DISTRIBUTION			
8. APP CODE n/a		11. AS OF DATE ASREQ	13. DATE OF SUBSEQUENT SUBMISSION 30DAC	a. ADDRESSEE	b. COPIES Draft Final Reg Repro		
16. REMARKS <p>The report will identify work accomplished and information gained in performance of the contract, pertinent observations, nature of problems, positive as well as negative results, procedures, and processes developed.</p> <p>The COR may require up to 13 additional copies of this report.</p>				COR	1	1	
				DTIC		1	
				NRL Code 5227		1	
				15. TOTAL →			
1. DATA ITEM NO. A006	2. TITLE OF DATA ITEM Financial Status/Contractor On-Site Labor Report			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) n/a		5. CONTRACT REFERENCE SOW all Tasks		6. REQUIRING OFFICE NRL			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED n/a	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION 30DAC	14. DISTRIBUTION			
8. APP CODE n/a		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION 30DAC	a. ADDRESSEE	b. COPIES Draft Final Reg Repro		
16. REMARKS <p>The contractor shall provide in Microsoft Excel spreadsheet format the following: (Up to 13 copies may be required by the COR)</p> <p>1. All contractor cost by tasks including reporting period, task value, current funding, labor (including subcontractors) employee name, number of hours o-site at NRL, material, travel, and other direct costs. If the employee worked on multiple tasks the number of hours worked on each task must be shown separately.</p> <p>2. Each report shall be updated with funding received per task and job order number. (The government will provide information regarding what funding and which job order applies to each task).</p>				COR	1	1	
				15. TOTAL →			
G. PREPARED BY NRL Code		H. DATE 5/3/00	I. APPROVED BY		J. DATE		

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

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TOTAL PRICE

PERSONNEL QUALIFICATIONS

ASTERISK () DENOTES KEY PERSONNEL*

♦ TASK 3.1 Research and Development of Security Measures for Cryptographic Protocols

a) SENIOR SCIENTIST

Education:

Shall have at least a Doctor of Philosophy (Ph.D.) degree in Computer Science

AND

Experience:

Shall have research experience in the areas of computational logic, logical frameworks, programming languages, and artificial intelligence as demonstrated by publications in refereed journals, technical reports, and conference presentations. Secret clearance is required.

b) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Master of Science (MS) degree in Mathematics, **OR** Engineering, **OR** Computer Science.

AND

Experience:

Shall have at least five years of experience in secure system programming and analysis as demonstrated by the development of automated cryptographic protocol analyzers. Secret clearance is required.

c) SENIOR SCIENTIST

Education:

Shall have at least a Doctor of Philosophy (Ph.D.) degree in Mathematics, OR Computer Science OR Engineering.

AND

Experience:

Shall have at least three years of experience in secure system programming and analysis as demonstrated by the development of automated cryptographic protocol analyzers. Secret clearance is required.

d) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Master of Science (MS) degree in Electrical Engineering.

AND

Experience:

Shall have at least five years of experience in secure system programming and analysis as demonstrated by the development of secure message transmission. Demonstrated experience is required with cryptographic protocols, virtual pipes, and telnet proxies for the secure routing of messages. Secret clearance is required.

♦ TASK 3.2 Research and Development of Trusted Computer Systems

a) SENIOR SCIENTIST

Education:

Shall have at least a Bachelors of Science (BS) degree in Computer Science.

AND

Experience:

Shall have at least five years of experience in formal methods programming as evidenced by the development of automated software requirements generation

from functional specifications. Object oriented software experience should include development of a simulator for the exercise of the requirements generator. Extensive programming language experience is required with C++ and Java user interfacing. Secret clearance is required.

b) ASSOCIATE SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Bachelors of Science (BS) degree in any scientific/engineering discipline.

AND

Experience:

Shall have at least eight years of experience in computer system programming as evidenced by the development of Graphical User Interfaces (GUI) for the implementation of formal methods technology demonstrations. Programming language experience shall include C/C++. Secret clearance is required.

c) ASSOCIATE SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Bachelors of Science (BS) degree in Computer Science.

AND

Experience:

Shall have at least three years of experience in trusted system programming as evidenced by the development of parsers, consistency checkers, and type checkers for a Java simulator. Programming experience shall include C/C++ and Java. Secret clearance is required.

d) SENIOR SCIENTIST

Education:

Shall have at least a Master of Science (MS) degree in Computer Science.

AND

Experience:

Shall have at least three years of experience in secure system programming as evidenced by support provided to the development of the NRL Pump, a trusted technique for updating classified databases at different classification levels. C/C++ and Java programming experience is required. Secret clearance is required.

e) SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least a Doctor of Philosophy (Ph.D.) degree in Information Technology.

ANDExperience:

Shall have at least four years of experience in the research and development of computer systems. Secure system expertise in role-based access control on the Web using smart certificates is required. Web software security expertise is demonstrated by patent applications and extensive publications in refereed journals, technical reports, and conference presentations. Secret clearance is required.

f) SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least a Bachelors of Science (BS) degree in any scientific/engineering discipline.

ANDExperience:

Shall have at least three years of experience in secure system. Recent experience should include the development, testing, benchmarking, and documentation of Java byte-code parsers. Secret clearance is required.

g) SENIOR SCIENTISTEducation:

Shall have at least a Bachelors of Science (BS) degree in Computer Science **OR** Mathematics.

AND

Experience:

Shall have at least three years of experience in secure system programming as evidenced by the development of a Web-accessible portion of the Visual NRM Database. Programming expertise shall include C/C++, Visual Basic, Java, and PostgreSQL. Secret clearance is required.

♦ TASK 3.3 Research and Development of Trusted Networked Systems**a) ASSOCIATE SCIENTIST/ENGINEER/ANALYST**Education:

Shall have at least a Bachelors of Science (BS) degree in any scientific/engineering discipline.

AND

Experience:

Shall have at least eight years of experience in trusted computer system configuration, programming, and administration. Experience must include the analysis, integration, testing, and administration of trusted computer operating systems, databases, message guards, and network firewalls. Secret clearance is required.

b) ASSOCIATE SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least a Master of Science (MS) degree in Electrical Engineering **OR** Computer Science.

AND

Experience:

Shall have at least three years of experience in secure system programming as evidenced by the development of secure TCP/IP protocols for trusted message routing. Demonstrated experience should include NetBSD, FreeBSD, and OpenBSD. Secret clearance is required.

c) ASSOCIATE SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least the equivalent of a Bachelors of Science (BS) degree in any scientific/engineering discipline.

AND

Experience:

Shall have at least three years of experience in secure system development as evidenced by the integration, testing, and analysis of operational network intrusion detection systems, and firewalls. Secret clearance is required.

d) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Master of Science (MS) degree in Mathematics **OR** Electrical Engineering **OR** Computer Science.

AND

Experience:

Shall have at least eight years of experience in secure system programming. Such as by the development of the NRL Pump Research Project, a trusted update technology implementation for networked multi-level security databases. Programming expertise should include C/C++ and SQL. Secret clearance is required.

e) SENIOR SCIENTIST

Education:

Shall have at least a Master of Science (MS) degree in Mathematics **OR** Electrical Engineering **OR** Computer Science.

AND

Experience:

Shall have at least five years of experience in trusted system development. Experience must include the analysis, integration, testing, and administration of trusted computer operating systems, databases, message guards, and network firewalls. Secret clearance is required.

f) SENIOR SCIENTIST

Education:

Shall have at least a Bachelors of Science (BS) degree in Mathematics **OR** Electrical Engineering **OR** Computer Science.

AND

Experience:

Shall have at least five years of experience in trusted system configuration, programming, and administration. Experience must include the analysis, integration, testing, and administration of trusted computer operating systems, databases, message guards, and network firewalls. Secret clearance is required.

♦ TASK 3.4 Research and Development of Secure Digital Voice Systems

a) SENIOR SCIENTIST

Education:

Shall have at least a Bachelors of Science (BS) degree Electrical Engineering.

AND

Experience:

Shall have at least ten years of experience in the research and development of electronic systems. Experience should include the design and implementation of a variety of electronic circuitry, but specifically shall include the interfacing of commercial technology for voice switching to classified telephony systems. A demonstrated knowledge of wireless LAN technology is also required. Secret clearance is required.

b) SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least a Bachelors of Science (BS) degree in Engineering.

AND

Experience:

Shall have at least twenty-five years of experience in research and development of computer-based systems. Experience must include the analysis, design, integration, testing, and certification of programmable cryptographic devices. Secret clearance is required.

c) SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least a Bachelors of Science (BS) degree in Computer Information Systems.

AND

Experience:

Shall have at least three years of experience in software design and development. C/C++, HTML, Java, and SQL programming experience is required. Experience must include test plan certification assistance, and software development full life-cycle support. Secret clearance is required.

♦ **TASK 3.5 Research and Development In Information Warfare**

a) ASSOCIATE SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Bachelors of Science (BS) degree in any scientific/engineering discipline.

AND

Experience:

Shall have at least twenty-five years of experience with the development, installation, integration, and testing of radio frequency communications systems. Design experience should include specific expertise in the development and implementation of both fixed and mobile antenna mounting structures. Overseas installation experience is highly desirable. Secret clearance is required.

b) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Bachelors of Science (BS) degree in Engineering.

AND

Experience:

Shall have at least ten years of experience in radio transmission technology, particularly radio frequency communications. Must have demonstrated recent experience with the High Frequency Active Auroral Research Project (HAARP), and the associated technology of radio frequency modulation of the Arctic atmosphere. Top Secret clearance is required.

c) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Master of Science (MS) degree in Engineering.

AND

Experience:

Shall have at least three years of experience in analog and digital hardware design, signal processing concepts, and software design and development. Must have demonstrated expertise with digital filtering, spectral analysis, computer interfacing, signal simulations, digital signal processing (DSP) devices, and microprocessor hardware and software design. Shall have experience within the last two years with communication signal intercept systems. A current Special Background Investigation (SBI) is required.

d) SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least a Master of Science (MS) degree in Electronics Engineering OR Physics OR Computer Science.

AND

Experience:

Shall have at least fifteen years of experience in radio transmission technology, particularly satellite communications. Must have demonstrated experience with satellite tracking equipment; and demonstrated experience with the specification, integration, and operation of RF and microwave instrumentation. Top Secret clearance is required.

♦ **TASK 3.6 Development of Audio/Visual Materials and Aids, Project Management**

a) PROJECT SPECIALISTExperience:

Shall have at least five years of experience in developing and maintaining program management plans, budget issues resolution, desktop publishing skills, and supporting technical management briefings for Federal Government Agencies.

♦ **TASK 3.7 Hardware and Software System Design and Maintenance**

a) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Master of Science (MS) degree in any scientific/engineering discipline.

AND

Experience:

Shall have at least six years of System Administrator experience in the configuration and administration of networked UNIX Workstations, Macintosh and PC computer systems. Demonstrated experience must include implementation of email filters, technical and business software applications support, and system backup automation. Must have computer security experience with digital signatures and encrypted wrappers for document protection. Secret clearance is required.

b) SCIENTIST/ENGINEER/ANALYST

Education:

Shall have at least a Bachelors of Science (BS) degree in Computer Science.

AND

Experience:

Shall have at least five years of experience in the configuration and administration of networked UNIX Workstations, and Macintosh and PC computer systems. Network experience must include ATM/SONET and fiber networks as well as high-speed Ethernet connectivity, and demonstrated expertise with network routers and switches. System Administration support experience must include email filters, technical and business software applications support, and system backup automation. Secret clearance is required.

c) SCIENTIST/ENGINEER/ANALYSTEducation:

Shall have at least the equivalent of a Bachelors of Science (BS) degree in any scientific/engineering discipline.

ANDExperience:

Shall have at least three years of experience in the configuration and administration of networked UNIX Workstations, and Macintosh and PC computer systems. Network experience must include ATM/SONET and fiber networks as well as high-speed Ethernet connectivity, and demonstrated expertise with network routers and switches. System Administration support experience must include email filters, technical and business software applications support, and system backup automation. Secret clearance is required.

♦ TASK 3.8 Program Management**a) * PROGRAM MANAGER**Education:

Shall have at least a Bachelors of Science (BS) degree in any scientific/engineering discipline. Graduate experience in statistical analysis is desirable but, not minimally required.

ANDExperience:

Shall have at least eight years of experience in the management of information technology on-site contractor support of a DoD Program. Shall have experience with military systems, sensors, communications, and operations. A current Special Background Investigation (SBI) is required.

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				1. CLEARANCE AND SAFEGUARDING SER: 062-99 a. FACILITY CLEARANCE REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">TOP SECRET</div> b. LEVEL OF SAFEGUARDING REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">NONE</div>	
2. THIS SPECIFICATION IS FOR: (X and complete as applicable)				3. THIS SPECIFICATION IS: (X and complete as applicable)	
a. PRIME CONTRACT NUMBER		<input checked="" type="checkbox"/> X		a. ORIGINAL (Complete date in all cases)	
b. SUBCONTRACT NUMBER		<input type="checkbox"/>		b. REVISED (Supersedes all previous specs)	
c. SOLICITATION OR OTHER NUMBER		Due Date (YYMMDD)		c. FINAL (Complete Item 5 in all cases)	
<input checked="" type="checkbox"/> X 55-5186-99				Date (YYMMDD) 991015	
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> X NO. If Yes, complete the following: Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract.					
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> X NO. If Yes, complete the following: In response to the contractor's request dated _____, retention of the identified classified material is authorized for the period of _____.					
6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)					
a. NAME, ADDRESS, AND ZIP CODE		b. CAGE CODE		c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
FOR RFP PURPOSES ONLY, NOT VALID FOR ACTUAL CONTRACT AWARD					
7. SUBCONTRACTOR					
a. NAME, ADDRESS, AND ZIP CODE		b. CAGE CODE		c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
N/A				N/A	
8. ACTUAL PERFORMANCE					
a. LOCATION		b. CAGE CODE		c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
N/A				N/A	
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT Scientific, Engineering, Technical, and Analytical Support for Information Warfare Technology.					
10. THIS CONTRACT WILL REQUIRE ACCESS TO:			11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:		
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION			a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY		
b. RESTRICTED DATA			b. RECEIVE CLASSIFIED DOCUMENTS ONLY		
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION			c. RECEIVE AND GENERATE CLASSIFIED MATERIAL		
d. FORMERLY RESTRICTED DATA			d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE		
e. INTELLIGENCE INFORMATION:			e. PERFORM SERVICES ONLY		
(1) Sensitive Compartmented Information (SCI)			f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		
(2) Non-SCI			g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER		
f. SPECIAL ACCESS INFORMATION			h. REQUIRE A COMSEC ACCOUNT		
g. NATO INFORMATION			i. HAVE TEMPEST REQUIREMENTS		
h. FOREIGN GOVERNMENT INFORMATION			j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		
i. LIMITED DISSEMINATION INFORMATION			k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE		
j. FOR OFFICIAL USE ONLY INFORMATION			l. OTHER (Specify)		
k. OTHER (Specify)					

12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release.

☐ Direct ☒ Through (Specify):

Commanding Officer, Naval Research Laboratory, Washington, DC 20375-5320, Code 5554.
NO PUBLIC RELEASE OF SCI AUTHORIZED.

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review.
* In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

Access to classified information is not required for the purpose of submitting a bid/proposal for this statement of work. However, prior to award of contract, the successful contractor will be required to have a TOP SECRET facility clearance, and personnel eligible for Sensitive Compartmented Information.

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

☐ Yes ☒ No

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

☐ Yes ☒ No

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL	b. TITLE	c. TELEPHONE (Include Area Code)
TINA SMALLWOOD	Contracting Officer, Security	202-767-2240/2521
d. ADDRESS (Include Zip Code)		17. REQUIRED DISTRIBUTION <input checked="" type="checkbox"/> a. CONTRACTOR <input type="checkbox"/> b. SUBCONTRACTOR <input checked="" type="checkbox"/> c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR <input type="checkbox"/> d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION <input type="checkbox"/> e. ADMINISTRATIVE CONTRACTING OFFICER <input checked="" type="checkbox"/> f. OTHERS AS NECESSARY 1221.11, 1223.1, 5554, ONI-532
Naval Research Laboratory		
Washington, DC 20375-5320		
e. SIGNATURE		
		